

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20050207474").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 09:44
S2	2	multi\$1h and frequency adj hopping	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 07:05
S3	2	("6944206").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 07:04
S4	2	("20030128656").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 07:04
S5	2	("20020168026").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 07:05
S6	132	CPM and frequency adj hopping	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 12:45
S7	1003	(375/132 or 375/133 or 375/134 or 375/135 or 375/136 or 375/137). ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 08:38

## EAST Search History

S8	38	CPM and trellis and (odd same even)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 09:17
S11	2	("6041046").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 09:33
S12	2	("6396823").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 10:59
S13	2	("5117377").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 11:00
S14	2	("5834985").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 11:01
S15	2	("5425055").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 11:03
S16	2	("6449304").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 11:05

## EAST Search History

S17	2	("6925136").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 11:08
S18	2	("6947504").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 11:25
S19	146	(frequency adj hopping) and (modulation adj (index or indices))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 11:26
S20	14	S7 and S19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 11:27
S21	37	S19 and (CPM or (phase adj modulat\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 12:26
S22	6	S7 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 11:27
S23	8	carrier with CPM with different	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 12:26

## EAST Search History

S24	2	("20040028083").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 12:32
S25	2	("5259030").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 12:35
S26	2	("20060098753").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 12:38
S27	2	("20050276345").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 12:39
S28	2	("6535549").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 12:43
S29	2	("20050089110").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 12:44
S30	2	("20040208264").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 12:44

## EAST Search History

S31	463	(CPM or GMSK or CPFSK or MHPM) and ((frequency or carrier) adj hopping)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 13:53
S32	27	S7 and S31	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 12:46
S33	28	(CPM or GMSK or CPFSK or MHPM) and (modulation adj (index or indices)) and ((even with odd) same zero)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 14:00
S35	11	(CPM or GMSK or CPFSK or MHPM) and (modulation adj (index or indices)) and multi\$1h	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 14:45
S37	2	(CPM or GMSK or CPFSK or MHPM) and (modulation adj (index or indices)) and (((initial or start\$3 or begin\$4) near phase) near3 zero)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 14:54
S38	3	(modulation adj (index or indices)) and (((initial or start\$3 or begin\$4) near phase) near3 zero)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 14:53
S39	4	(CPM or GMSK or CPFSK or MHPM) and (modulation adj (index or indices)) and (((initial or start\$3 or begin\$4) near phase) with zero)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:00

## EAST Search History

S41	25	(trellis) and (((initial or start\$3 or begin\$4) near phase) near3 zero)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 14:59
S42	2	("20030026361").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 15:05
S43	2	("6466630").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 15:10
S44	2	("20030115061").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 15:17
S45	2	("6421399").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 15:19
S46	2	("5834985").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/16 15:19
S47	2	("5832022").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 06:41

## EAST Search History

S48	2	("6993097").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 06:42
S49	3	("6721366").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 06:43
S50	2	("6476739").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 06:43
S51	2	("5181209").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 06:44
S52	136	trellis and (phase adj state) and modulation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 09:00
S53	20	trellis and (phase adj state) and (modulation adj (index or indices))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 06:49
S54	18	trellis and ((phase adj state) near3 (zero or null or "0"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 07:41

## EAST Search History

S55	2	("5432821").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 07:48
S56	2	("20060048228").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 08:03
S57	2	("6477208").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 08:06
S58	2	("6968021").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 08:29
S59	2	("5574751").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 08:31
S60	2	("20040038654").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 08:31
S61	2	("6700938").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 08:45



## EAST Search History

S62	2	("6968021").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 08:49
S63	6	"1347580"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 09:00
S65	2	trellis and (phase adj state) and modulation and (tail\$3 adj off)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 09:01
S66	8	trellis and modulation and (tail\$3 adj off)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 09:03
S67	2	("6862707").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 09:09
S68	2	("6477208").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 09:09
S70	318	constrained adj length	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 10:19

## EAST Search History

S72	2	("20020108084").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 14:42
S73	1421	(even same odd) and (transition near2 (period or symbol or frame))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:13
S74	100	(even same odd) same (transition near2 (period or symbol or frame))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:13
S75	40	(even same odd) same (transition near2 (symbol or frame))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 15:13
S76	5	transition adj symbol adj period	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 17:26
S77	2	transition adj symbol adj bit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 17:34
S79	73	(odd same even) same (transition adj bit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 17:39

## EAST Search History

S80	12	(odd same even) and (transition adj bit) and trellis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 17:42
S81	2	("5428646").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 17:42
S83	6	(header) and (transition adj (bits or symbols or period)) same trellis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/18 06:36
S84	8	(header or preamble) and (transition adj (bits or symbols or period)) same trellis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/18 06:37
S85	54	(transition adj (bits or symbols or period)) same trellis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/18 06:37
S86	2	("6968021").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 09:45
S87	3	multi\$1h and (transition adj (bits or sequence or symbols or data))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:08

## EAST Search History

S88	3	multi\$1h and (transition adj (bits or sequence or symbols or data or head\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 09:53
S89	2	("20050089110").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 10:01
S90	2	("6968021").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 10:01
S92	71	CPM and (transition adj (bits or sequence or symbols or data))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:09
S93	5	S92 and flush	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:10
S95	19	S92 and fill	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:11
S96	2	("6968021").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 10:12

## EAST Search History

S97	2	("7088793").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 10:17
S98	81	(multi\$h or CPM) and (odd same even) same (parity adj bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:19
S99	76	(multi\$h) and (odd same even) same (parity adj bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:20
S10 0	2	(multi\$h) and (odd same even) same (parity adj bits) same transition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:21
S10 1	31	(multi\$h) and (odd same even) same (parity adj bits) and transition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:23
S10 5	2	("6662338").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 10:36
S10 6	2	("6009127").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 10:43

## EAST Search History

S10 7	191	(parity adj bits) and trellis and (even same odd) and encod\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:46
S10 8	113	S107 and transition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:46
S10 9	4	S108 and flush	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:44
S11 1	95	(parity adj bits) same (even same odd) and encod\$3 and trellis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:47
S11 2	74	(parity adj bits) same (even same odd) and encod\$3 and trellis and transition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 10:54
S11 3	2	(parity adj bits) same (even same odd) same frame same ((data or information) adj (bits or symbols)) and encod\$3 and trellis and transition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:06
S11 5	374	(CPM or GMSK or CPFSK or MHPM) and parity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:00

## EAST Search History

S11 6	116	(CPM or GMSK or CPFSK or MHPM) and parity and (even same odd)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:00
S11 7	23	S116 and trellis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:00
S11 8	8	(parity adj bits) same (even same odd) same ((data or information) adj (bits or symbols)) and encod\$3 and trellis and transition	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:08
S11 9	4	(parity adj bits) same (even same odd) same ((data or information) adj (bits or symbols)) and encod\$3 and trellis and (transition same parity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:10
S12 0	5	(parity adj bits) same (even and odd) same ((data or information) adj (bits or symbols)) and encod\$3 and trellis and (transition same parity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:27
S12 1	2	("6449304").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 12:20
S12 2	1069	parity same (control adj bits)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:27

## EAST Search History

S12 3	22	parity same (control adj bits) and trellis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:29
S12 4	3	parity same (control near3 transition) and trellis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 12:33
S12 5	27	parity and (control near3 transition) and trellis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 13:24
S12 6	39	CPM and (demodulat\$3 same phase adj offset)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 13:47
S13 0	3	(circular adj demodulat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 13:31
S13 1	25	CPM and (demodulat\$3 same phase adj offset) and trellis	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 13:47
S13 2	25	CPM and (demodulat\$3 same phase adj offset) and trellis and (frequency same accumulat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/21 13:57



## EAST Search History

S13 3	2	("5712877").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 15:33
S13 4	2	("6449304").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/21 15:33